The Electric Heating Specialists

Thank you for buying an economy radiator, you are now part of a huge change in the way we heat our homes here in the UK.

No longer do we need inefficient gas heated 'wet systems'.

The Economy Radiator Company has exclusive distribution rights for this product via the Internet for the UK market.

Tel 01845 518 888

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www.economy-radiators.com

MWRAD Ltd t/a   The Economy Radiator Company

Unit M, Middlemoor Business Park, Dalton, North Yorkshire. YO7 3JD

Company No. 6840556

RUNNING COSTS:-

As the room builds up heat it draws full power once achieved it will only take smaller amounts, switching off and allowing the room to drop to cold only to re heat it again is a false economy.

Measuring consumption, to make a true test this must be done over a long period, indeed 40% of the entire years consumption of most households can be seen in a one two month period. Our original measured year saw around 10% being used in a 10 day period at the peak of winter.

Original measurement was 07/08, the following year 08/09 was 30% up and so 09/10 will be far worse, winter 09/10 being the worst winter on record for over 30 years.

ACHIEVING THE BEST RUNNING COSTS – A HANDY GUIDE

Price per kWh - be warned, never phone us without knowing this; so many people are paying at least 30% more than they should have to.

If you have Economy 7, 10 or indeed a pay as you go (key meter), ditch them without delay, they will inflate your running costs potentially as much as DOUBLE! They work on a basis of giving with one hand and taking away with the other; they are both a 'sleight of hand'.

E.g. off peak 7p / on peak 15p. If we take the average it will always come back to at least a normal 24 hour single rate of 11p – so why bother? If you do not believe me then take a bill, add up all the units used for both periods, the bill will have a total value so divide one into the other and this will give you the average you have paid.

11p per kWh is the maximum advised on a single rate, the energy market is increasing so please do not blame us for this! Shop around for the best prices.

Switching on and off - If you subscribe to this practice in the vein belief you are saving money then think again. Constant switching on and off ANY heating system whether it is gas, lpg, oil or electric, is a false economy.

The running costs of our 'real life' measured and published properties are based on switching on and NEVER switching off 365 days / 24 hours. However, we specify a 4 degree drop at night when asleep or out at work, or when the rooms are not used.

Raising a temperature by 4° or indeed maintaining a constant temperature is far cheaper than switching on and off all the time.

Seasonal demand - I do get people who ring me in the winter in a mad panic. Their first mistake is they pay the wrong price for their electricity, not having a realistic view on their heating needs.

- 80% of energy is used in the six winter months of the year!
- 40% is used in the two peak months!
- 10% is used in merely a few @ 5 of the worst days!

So DO NOT be surprised by high readings in the winter. 08/09 was higher than 07/08 by 30% 09/10 is the coldest winter for 30 years. 12/13 went on much longer than 11/12. So that will be up again by a huge margin!

Insulation - My poorly insulated portacabin uses 2.5 times more than my domestic rooms. Remember you are in control. If you turn up the temperature you spend more money. If you turn it down you spend less. **Always shop around for the best electricity price.**

CONTENTS PAGE

INSTALLING YOUR ELECTRIC RADIATOR

The location of you radiator should be chosen properly and must follow any existing rules and regulations.

WARNING

- The appliance should never be covered by clothes, coverings or any other object, nor should it be placed behind or below furniture or any other obstacle for the circulation of air.
- The appliance should stay clear of all flammable objects and children should not be left alone close to the heater without adult supervision.
- Do not install the appliance below an electric outlet.
- Do not use the radiator to dry clothes.
- To avoid overheating, do not cover the heating appliance. If you cover the radiator (including shelves/furniture) or do not apply a minimum clearance around the radiator this may cause it to fail or malfunction and cause permanent damage.
- The appliance should not be installed near places which are at risk of splashing water like baths, washbasins, etc without a minimum clearance of 60cm.
- If the power cord is damaged, it may only be replaced by us in order to avoid risks.
- The appliance should be installed so that the thermostats and plug may not be touched directly or indirectly by any person within a bath or a shower (respecting the limits set by the RBT regulations).
- Always follow the safety measures: the minimum distances between the radiator and the ground or wall is 15cm.
- Do not place near draughts or in direct sunlight.

This device is not intended for use by persons (including children) with physical, sensory or mental disability, or lack experience or knowledge, unless they have been given supervision or instructions concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure they do not play with the appliance.

What's in the box?

Radiator with moulded plug x 1, Wall Bracket x 2, Manual x 1, Screws x 4, Template x 1

WALL MOUNT

Always try to install the radiator onto an external wall (cold) under a window, but never in a ventilated area or in direct sunlight. Follow the minimum safety distances for installation.

1. Using the template provided, mark through the template at correct radiator size.
2. Drill your holes and screw the brackets onto the wall.
3. Slide your radiator onto the brackets.

On plasterboard walls, plasterboard (Redidriver or similar) screws are advised.

BEFORE YOU START – WHAT DO YOU WANT YOUR RADIATOR TO DO?

Your radiator can be programmed by using the remote control (if purchased), you can use one of the 3 pre-installed programs (see below) or you can program it manually yourself.

- You may wish to choose one of these or choose to design your own. Remember to start at midnight on day 1.

<div align="center">

Economy ☾ = cooler temperature
Comfort ☼ = warmer temperature
Frost ❄ = frost temperature

</div>

PRO 1 = domestic living room

Monday to Friday
Economy = 00.00 to 7.00
Comfort = 7.00 to 9.00
Economy = 9.00 to 17.00
Comfort = 17.00 to 23.00
Economy = 23.00 to 00.00

PRO 2 = domestic bedroom

Monday to Sunday
Economy = 00.00 to 7.00
Comfort = 7.00 to 9.00
Economy = 9.00 to 21.00
Comfort = 21.00 to 23.00
Economy = 23.00 – 00.00

PRO 3 = offices
Monday to Friday
Economy = 00.00 to 7.00
Comfort = 7.00 to 18.00
Economy = 18.00 to 00.00
Saturday/Sunday
Economy = 24 hours both days

Your own program will show as PRO when entered, use the space below to write down your own program.

If you have purchased the optional remote control go to page 6 for instructions or see instructions in remote control box

If you are choosing PRO1 / PRO2 or PRO3 go to page 12 for instructions

If you want to choose your own program (PRO) and are programming the radiator manually (without the remote control) go to page 14 for instructions

PROGRAMMING YOUR RADIATOR WITH THE OPTIONAL REMOTE CONTROL (IF PURCHASED)

There are 9 pre-set programs in the remote already (P1-P9) and then room to put 5 of your own user defined programs (U1-U5). See programs on Page 9

Setting the time and date (if you go wrong at any stage, take batteries out and start again)

Put batteries in, close cover, screen will very briefly show all the symbols.

Screen should now show **00.00** (the first 00's should be flashing)

Press ↓ or ↑ to change the hour. Press **OK**

Press ↑ or ↓ to change the minutes. Press **OK**

Press ↑ or ↓ to change the year (if necessary)   Press **OK**

Press ↑ or ↓ to change the month (flashing on right side)   Press **OK**

Press ↑ or ↓ to change the date (flashing on left side)   Press **OK**

Time and date are now set

Setting one of the pre-set programs (P1 – P9)

Look at the program list on pages 9 & 10 and choose which program best suits your lifestyle.

Press the ↑ or ↓ to choose which program you want (between P1 and P9).

Press the transmit button (bottom right hand button) and point it at the radiator, the radiator will flash. When it has stopped flashing it means the program has been transmitted and is now working.

To lock the radiators (so that the program cannot be altered without your knowledge)

Press the → button twice until you get the padlock symbol at top of screen then press the transmit button on bottom right hand side of remote.

Repeat this stage to unlock and press transmit.

To set your own program, see page 7

To set your own, user-defined program (U1-U5)

Please read fully before you try to program

Before you start, decide what hours you want as your economy (moon) settings and what hours you want as comfort settings (sun). Write this down and have it in front of you.

Choose one of the U1 – U5 programs (we will say U1), Press **OK**

An 'Off' sign will be flashing in the bottom right hand side of the screen, press **OK** then **OK** again to stop the U1 program flashing. Timer should now be displayed on screen flashing 0:00 and have black bars at the top and bottom of screen. The top bars are Am, the bottom bars are PM.

Every one of the bars above and below represents a half hour segment of the day. I want the economy setting between 00.00 hours and 6.30 am, then comfort setting between 6.30 and 9.00am. Economy setting between 9.00am and 17.00pm then comfort between 17.00 to 22.30 and economy between 22.30 and 00.00. I want this repeating every day for 7 days.

This is an example only, you decide when you want your comfort and economy settings and at what times.

The days of the week are listed down the left hand side of the screen and you should be on day 1. (Always start at midnight, day one). Press ☾ symbol until you get to 6.30, press ☼ symbol until you get to 9.00 then ☾ symbol until you get to 17.00, then ☼ until 22.30 then ☾ again until 00.00. Press the **OK** button to copy the program through the 7 days then press the transmit button (bottom right button).

You can set every day differently if you want to but you will have to go through each half hour of each day. Once this is done it is set into your remote as a program that won't be lost. You have 5 of your own programs if needed or simply choose one of the pre-set programs shown on age 9.

'FOR'

If your radiator is showing '**For**' on the screen it simply means you have tried to force it into another mode which is different from the program.

To get it back to normal (if **sun** symbol is showing in bottom left hand of screen press the **moon** symbol. If the **moon** symbol was showing press the **sun** symbol).

On the remote you will see a little hand symbol and a trash can, press the **OK** button, dashes will come up on the remote and your radiator should now be flashing between PRO and the temperature.

Additional Information

You will need to set your temperatures into your radiator.

Press the **m/ok** button on your radiator until you get the ☼ symbol (warm/comfort setting), use your **+/-** buttons to get to the desired temperature.

Press **m/ok** again until you get the ☾ (cool/economy setting), use your **+/-** buttons to get to the desired temperature.

The radiator won't let the moon temperature within 3° of the sun temperature

We recommend 3 or 4° difference between the two temperatures.

Frost setting

If you want to use a frost setting (7°C) at all, press the ❅ symbol instead of the ☼ or ☾ symbols on the remote but please note you will not be able to see bars on your screen for this setting only the ❅ symbol.

Changing the time (Start/End of British Summer Time)

Press the ← button, you will see the time and a clock symbol ⊕ on the screen, press **OK**
Hours will flash, change using the ↑ or ↓ button and press **OK**
Minutes will flash, change using the ↑ or ↓ button and press **OK**
Year will flash, change using the ↑ or ↓ button and press **OK**
Month will flash, change using the ↑ or ↓ button and press **OK**
Day of month will flash, change using the ↑ or ↓ button and press **OK**
Done

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
P1	☾ 00 – 7.00 ☼ 7.00 – 9.00 ☾ 9.00 – 17.00 ☼ 17.00 – 23.00 ☾ 23.00 - 00	☾ 00 – 7.00 ☼ 7.00 – 9.00 ☾ 9.00 – 17.00 ☼ 17.00 – 23.00 ☾ 23.00 - 00	☾ 00 – 7.00 ☼ 7.00 – 9.00 ☾ 9.00 – 17.00 ☼ 17.00 – 23.00 ☾ 23.00 - 00	☾ 00 – 7.00 ☼ 7.00 – 9.00 ☾ 9.00 – 17.00 ☼ 17.00 – 23.00 ☾ 23.00 - 00	☾ 00 – 7.00 ☼ 7.00 – 9.00 ☾ 9.00 – 17.00 ☼ 17.00 – 23.00 ☾ 23.00 - 00	☾ 00 – 8.00 ☼ 8.00 – 23.00 ☾ 23.00 - 00	☾ 00 – 8.00 ☼ 8.00 – 23.00 ☾ 23.00 - 00
P2	☾ 00 – 7.00 ☼ 7.00 – 9.00 ☾ 9.00 – 12.00 ☼ 12.00 – 14.00 ☾ 14.00 – 18.00 ☼ 18.00 – 23.00 ☾ 23.00 - 00	☾ 00 – 7.00 ☼ 7.00 – 9.00 ☾ 9.00 – 12.00 ☼ 12.00 – 14.00 ☾ 14.00 – 18.00 ☼ 18.00 – 23.00 ☾ 23.00 - 00	☾ 00 – 7.00 ☼ 7.00 – 9.00 ☾ 9.00 – 12.00 ☼ 12.00 – 14.00 ☾ 14.00 – 18.00 ☼ 18.00 – 23.00 ☾ 23.00 - 00	☾ 00 – 7.00 ☼ 7.00 – 9.00 ☾ 9.00 – 12.00 ☼ 12.00 – 14.00 ☾ 14.00 – 18.00 ☼ 18.00 – 23.00 ☾ 23.00 - 00	☾ 00 – 7.00 ☼ 7.00 – 9.00 ☾ 9.00 – 12.00 ☼ 12.00 – 14.00 ☾ 14.00 – 18.00 ☼ 18.00 – 23.00 ☾ 23.00 - 00	☾ 00 – 8.00 ☼ 8 – 23.00 ☾ 23.00 - 00	☾ 00 – 8.00 ☼ 8 – 23.00 ☾ 23.00 - 00
P3	☾ 00 – 6.00 ☼ 6 – 23.00 ☾ 23.00 - 00	☾ 00 – 6.00 ☼ 6 – 23.00 ☾ 23.00 - 00	☾ 00 – 6.00 ☼ 6 – 23.00 ☾ 23.00 - 00	☾ 00 – 6.00 ☼ 6 – 23.00 ☾ 23.00 - 00	☾ 00 – 6.00 ☼ 6 – 23.00 ☾ 23.00 - 00	☾ 00 – 7.00 ☼ 7.00 - 00	☼ 00 – 01.00 ☾ 1.00 – 7.00 ☼ 7.00 – 23.00 ☾ 23.00 - 00
P4	☾ 00 – 15.00 ☼ 15.00 – 23.00 ☾ 23.00 - 00	☾ 00 – 15.00 ☼ 15.00 – 23.00 ☾ 23.00 - 00	☾ 00 – 15.00 ☼ 15.00 – 23.00 ☾ 23.00 - 00	☾ 00 – 15.00 ☼ 15.00 – 23.00 ☾ 23.00 - 00	☾ 00 – 15.00 ☼ 15.00 – 23.00 ☾ 23.00 - 00	☾ 00 – 7.00 ☼ 7.00 - 00	☾ 00 – 1.00 ☼ 01.00 – 07.00 ☼ 07.00 – 23.00 ☾ 23.00 - 00

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
P5	☾ 00 – 06.00 ☾ 06.00 – 08.00 ☼ 08.00 – 21.00 ☾ 21.00 – 23.00 ☾ 23.00 - 00	☾ 00 – 6.00 ☼ 6.00 – 9.00 ☼ 9.00 – 23.00 ☾ 23.00 - 00	☾ 00 – 6.00 ☼ 8.00 – 8.00 ☼ 9.00 – 23.00 ☾ 23.00 - 00	☾ 00 – 6.00 ☼ 6.00 – 8.00 ☼ 9.00 – 9.00 ☾ 23.00 - 00	☾ 00 – 6.00 ☼ 6.00 – 8.00 ☼ 9.00 – 23.00 ☾ 23.00 - 00	☾ 00 – 6.00 ☼ 6.00 – 8.00 ☼ 8.00 – 18.00 ☾ 18.00 - 00	☾ 00 – 6.00 ☼ 6.00 – 8.00 ☼ 19.00 – 23.00 ☾ 23.00 - 00
P6	☾ 00 – 6.00 ☼ 6.00 – 8.00 ☾ 14.00 – 21.00 ☾ 21.00 - 00	☾ 00 – 6.00 ☼ 6.00 – 8.00 ☾ 14.00 – 21.00 ☾ 21.00 - 00	☾ 00 – 6.00 ☼ 8.00 – 8.00 ☾ 14.00 – 21.00 ☾ 21.00 - 00	☾ 00 – 6.00 ☼ 6.00 – 8.00 ☾ 14.00 – 21.00 ☾ 21.00 - 00	☾ 00 – 6.00 ☼ 6.00 – 8.00 ☾ 14.00 – 21.00 ☾ 21.00 - 00	☾ 00 – 7.00 ☼ 7 – 21.00 ☾ 21.00 - 00	☾ 00 – 7.00 ☼ 7 – 21.00 ☾ 21.00 - 00
P7	☾ 00 – 7.00 ☼ 7.00 – 19.00 ☾ 19.00 - 00	☾ 00 – 7.00 ☼ 7.00 – 19.00 ☾ 19.00 - 00	☾ 00 – 7.00 ☼ 7.00 – 19.00 ☾ 19.00 - 00	☾ 00 – 7.00 ☼ 7.00 – 19.00 ☾ 19.00 - 00	☾ 00 – 7.00 ☼ 7.00 – 19.00 ☾ 19.00 - 00	☾ 00 – 00	☾ 00 - 00
P8	☾ 00 – 8.00 ☼ 8.00 – 19.00 ☾ 19.00 - 00	☾ 00 – 8.00 ☼ 8.00 – 19.00 ☾ 19.00 - 00	☾ 00 – 8.00 ☼ 8.00 – 19.00 ☾ 19.00 - 00	☾ 00 – 8.00 ☼ 8.00 – 19.00 ☾ 19.00 - 00	☾ 00 – 8.00 ☼ 8.00 – 19.00 ☾ 19.00 - 00	☾ 00 – 8.00 ☼ 8.00 – 18.00 ☾ 18.00 - 00	☾ 00 - 00
P9	☼ 00 – 07.00 ☾ 07.00 - 00	☾ 00 - 00	☾ 00 - 00	☾ 00 - 00	☾ 00 – 13.00 ☼ 13.00 - 00	☼ 00 - 00	☼ 00 - 00

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
U1							
U2							
U3							
U4							
U5							

# PROGRAMMING MANUALLY USING THE 3 PRE-SET PROGRAMS

- Plug your radiator in at the w all and sw itch on at the back behind the control panel, (it may already be on) your screen w ill now be flashing. Press any button and your screen w ill look like any of these pictures (ignore the temperatures).
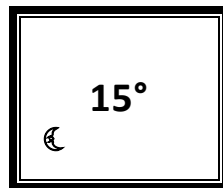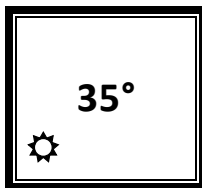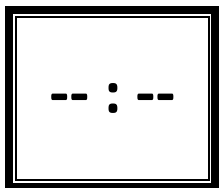
- Short press the O/P button to put the radiator into standby mode. Your screen should now look like this.
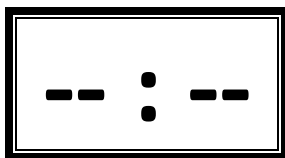
- Press and hold the O/P button dow n for approximately 7 seconds until the screen shows 0:00. There w ill be a row of small black boxes along the top of the screen (each one represents an hour of the day), and there w ill be the numbers 1 to 7 dow n the right hand side of the screen (these represent the days of the w eek). **SHORT PRESS O/P AGAIN**
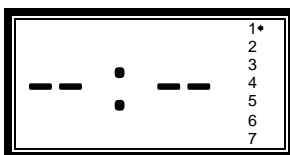
- Use the **+** or **-** button to select the current day of the w eek (1= Monday, 2 = Tuesday etc) and press **m/ok** to confirm. This is a 24 hour clock. This w ill now move onto the hour, so again; use the **+** or **-**button to change to the current hour and then **m/ok** to confirm. Lastly it w ill move onto the minutes. Use the **+** or **-** button to change to the correct time and press **m/ok** to confirm.
- The set time is now on the screen. This is standby mode.
- If you now short press O/P to switch the radiator back on.
- Now keep short pressing the **m/ok** again to take you betw een PRO1, PRO2 and PRO3 (w hichever you want to use).
- Leave for a couple of seconds then your screen should be flashing betw een the program and your temperature. There is nothing more that you need to do.

Adjusting Temperatures

Remember: The radiator won't let the moon temperature within 3° of the sun temperature

After you have set your program and day/time you may wish to change the temperature for the Comfort/Economy modes. To do this, make sure the radiator is switched on and in a program PRO1/PRO2/PRO3 then follow the instructions below.

Short press **m/ok** to change out of the PRO1/PRO2/PRO3 and into the comfort temperature ☼. Press the **+** or **–** button to adjust the temperature to the desired temperature, press **m/ok** to confirm and move to the economy temperature ☾ and repeat the process. Pressing **m/ok** again will take you back into the PRO1/PRO2/PRO3. If you leave the screen in ☼ or ☾ mode, it will permanently stay at that displayed temperature and not switch between the two.

Please remember that your radiator is thermostatically controlled, and as such it will not start to heat up unless the room temperature has dropped below your settings.

Frost Mode

If you are likely to be away from home for a period of time then you can use the frost mode if desired to keep the temperature of the room at a constant 7°.

Before you go away - Press and hold the **m/ok** button for around 7 seconds to put into frost mode. On your return - Short press the **m/ok** button to take it out of frost mode and back into your program.

PROGRAMMING MANUALLY USING YOUR OWN PROGRAM

- Before you start programming you need to write down your program, consider that you will be setting the economy (☾) temperature when you are not using the room and a comfort (✿) temperature for when you will. Also decide what you want each of these temperatures to be. We would recommend the economy temperature is to be 4° lower than the comfort temperature.

- You will be setting the program for each of the 7 days, so make sure that you have noted any different settings for weekend days etc.

- Plug your radiator in at the wall and switch on at the back behind the control panel, (it may already be on), your screen will now be flashing. Press any button. Your screen should look like one of these (ignore what temperature it says).

-- : --

35°
✿

15°
☾
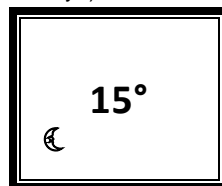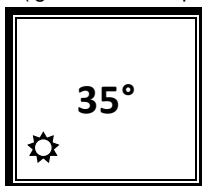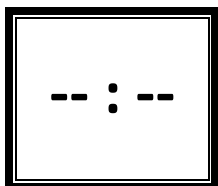
Short press the O/P button to put the radiator into standby mode. And your screen will now look like this
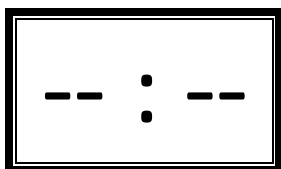
-- : --

- Press and hold the O/P button down for approximately 7 seconds until the screen shows 0:00. There will be a row of small black boxes along the top of the screen (each one represents an hour of the day), and there will be the numbers 1 to 7 down the right hand side of the screen (these represent the days of the week).
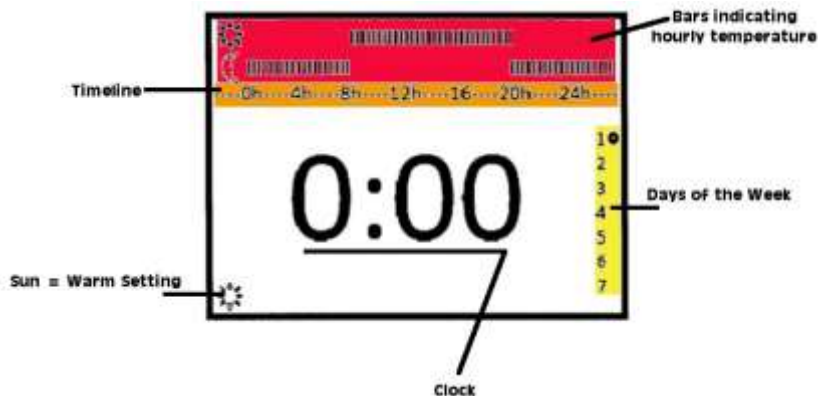
- The programming starts at midnight on Monday morning, so 00:00 is the hour, the first black box should be flashing, and the arrow should be pointing at day 1 (Monday). Please note this is a 24 hour clock.
- Use the **+** button to select the temp symbol that you want for midnight on Monday morning. The moon is the economy temperature, and the sun is the comfort temperature (we will ignore the frost symbol at this time)
- Once you have selected the correct temperature symbol (we will assume that this is the moon symbol) you need to consult your notes to see at what time your comfort temperature is required. Use the **m/ok** button to advance the hour until you get to the time for the comfort temperature.
- When you reach the time that you want your comfort temperature you will need to stop pressing **m/ok** and use the **+** button to change the symbol to a sun.
- Once you have selected the sun symbol you will need to consult your notes again to see what time you require the economy temperature/moon setting. Use the **m/ok** button to advance the hour until you get to the time for the economy temp, then use the **+** to select to select your moon symbol again.
- Remember that the **+** button alters the temperature and the **m/ok** button advances the hour. Once you have reached 23:00 on each day, the next time you press **m/ok** you will move onto the following day.
- Keep repeating these steps until you have entered your requirements for all 7 days. Take care when advancing the hour, as you will not be able to go back if you make a mistake and you will have to start all over again by pressing and holding the **O/P** button.
- When your programming is complete and you press **m/ok** at 23:00 on day 7 (Sunday) the screen will move onto the time/day setting. You should see 0:00 and the numbers 1 to 7 down the right hand side of the screen.
- Use the **+** or **-** button to select the current day of the week and press **m/ok** to confirm. This will now move onto the hour, so again; use the **+** or **-** button to change to the current hour and then **m/ok** to confirm. Lastly it will move onto the minutes. Use the **+** or **-** button to change to the correct time and press **m/ok** to confirm.
- You see the time on the screen, short press **O/P** again

- To alter the temperature settings (remember, you cannot take the moon temperature with 3° of the sun temperature) you can now keep short pressing the **m/ok** button until you see the sun symbol☼. Using your **+** or **-** buttons adjust to desired temperature then press **m/ok** to confirm. This will move onto the moon temperature ☾ , again if it is not the correct temperature; use the **+** and **-** buttons to alter it to your required setting; then press **m/ok** to confirm. Keep pressing **m/ok** until you see **PRO** and leave it. The radiator should now be running back in your program mode and flashing between the program/temperature.
- There is nothing more that you need to do, just sit back and relax.

Please remember that your radiator is thermostatically controlled, and as such it will not start to heat up unless the room temperature has dropped below your settings.

TROUBLESHOOTING AND HELPFUL INFORMATION

Common reported faults (all too frequently not genuine)

The following faults are often applicable to the consumer rather than the actual product and can easily be deemed to be **non-genuine warranties**.

- **Radiator is not providing the correct level of heat. (Too much / too little / none at all)**
  The product is thermostatic, ignore what the radiator does, is the room at the temperature you have requested (we suggest using a room thermometer)?
  To test any radiator turn the temperature up to 35° within 10 to 15 minutes it should be too hot to touch.
  Radiator fitted to an inside wall (bad position) should always be outside wall or under a window in badly insulated property's.
  See Recalibration of thermostat (see below). Re-set to zero.
  Consumer programming or user miss-understanding of the product. (Measure the room temperature).
  Consumer's room or rooms are larger than applicable for the product or a door left open to an unheated area.
  Badly specified application.
  Sunlight or a cold draft directed onto the radiator.

- **Radiator appears to have no power**
  Check the switch at the back of the radiator directly behind the control screen?
  Has the wiring been modified?
  Has the fuse in the plug been checked?

- **Expansion noise**
  A sound like a gong or clang could be applicable to expansion and contraction, run the radiator for 48 hours at a higher than normal temperature (30 +) should resolve the issue. If not time should settle it down.

- **Marks on the radiator** --- this can be resolved easily with "hob cleaner" or Cif.

- **Recalibration of thermostat**
  It may be possible that your radiator may need re-calibrating at some stage during its lifetime. We occasionally get people who inadvertently recalibrate the thermostat by accident. If this is the case you will need to go through the following instructions

1	Press O/P to put the radiator into standby mode
2	Press and hold down M button until you see 0.0° It may say something else
3	Use your **+** and **–** buttons to get it back to 0.0° if it does say something else
4	Press **m/ok** button again to put back into standby
5	Press O/P again to put back into program

- **Power Cuts, turning back on after a period of time**
  If the power has been lost or turned off for a period of time then when you switch back on the radiator WILL have remembered your program but you will need to change the day and time again. Follow instructions below.

  Press the O/P button to switch radiator into Standby mode (only the time appears on the screen). Now press and hold the O/P button for 7 seconds (this will take you to the beginning of the programming screen. Short press the O/P button once again.

  The time and 1-7 days of the week will appear on the screen with a cursor flashing on one of the numbers 1-7 down the right hand side. Select current day of the week (1=Monday, 2=Tues etc) using **+** and **–** buttons and press **m/ok** to confirm.

  The hour will flash. Use the **+** or **–** buttons, then **m/ok** to confirm, Repeat the above for minutes. Once complete, only the time will show. Press O/P to switch radiator back on.

  Press **m/ok** to select mode of use (Pro/Pro1/Pro2/Pro3). Your screen should now flash between Pro and temperature.

- **I want to leave my radiator in Frost setting when I go on holiday**
  When in current program, press and hold down the **m/ok** button for around 7 seconds, it will automatically put your radiator into Frost mode and show 7°. When you come back simply short press the **m/ok** button and your normal program will resume.

- **I want to lock my radiator so that the settings cannot be altered**
  Simply press and hold the **+** and **–** buttons together until your screen looks like this.
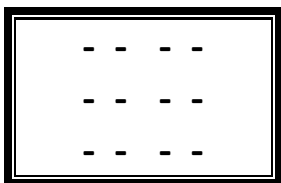
  To unlock do the same again and your normal program will resume

- **My radiator keeps showing 4° on the screen**
  You have tried to take the sun and moon temperatures within 4° degrees of each other, remember if sun temperature is 20° the moon should be 16°. Simply adjust both temperatures.

  Other notes:

  Also radiators purchased before June 2012 will not have had the 3 re-set programs in the radiators.

WARRANTY CONDITIONS

For full terms and conditions see your invoice provided or visit our website.

Warranty is 10 years on the body of the radiator and 3 years on the electronics panel.

Warranty does not cover the event of abnormal use or poor installation.

In case of failure or malfunction, please call us first to discuss, if it is something that can be talked through over the phone we will do this, if not we will send you our warranty claim document which MUST be filled in completely **WITH** a signature and scanned or posted back to us at the address below.

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